

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928710001-3

303

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928710001-3"

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928710001-3

LARIN, V.B. (1904)

Count, member
of a committee
ministry, Central
Büro, 1928.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928710001-3"

LARIN, V.B. (Kiyev)

Natural vibration conditions in an elastic controlled system.
Prykl.mekh. 8 no.5:482-488 '62.

1. Institut mehaniki AN UkrSSR.
(Machinery--Vibration)

LARIN, V.B.

Choice of the free stroke of a damper in the case of
stochastic vibrations. Doz. AN UkrSSR. 1981. 11 p.

1. Institut matematiki AN UkrSSR.

L 32707-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWP(h)/EWP(l) 1111-1111-1111

ACC NR: AP6011333

SOURCE CODE: UR/0198/66/002/001/0099/0105

AUTHOR: Larin, V. B. (Kiev)

ORG: Mathematics Institute, AN UkrSSR (Institut matematiki AN UkrSSR)

TITLE: Analytical design of a vibration isolation system for equipment mounted on moving objects

SOURCE: Prikladnaya mekhanika, v. 2, no. 3, 1966, 99-105

TOPIC TAGS: vibration isolation, vibration spectrum, vibration theory

ABSTRACT: The vibration isolation problem is formulated as a problem in the theory of filters. After devising a penalty function in terms of the transfer function of the vibration isolator and minimizing this function, an equation is derived for the transfer function of the optimum physically realizable vibration damping system. The case of vibration damping of equipment excited by a narrow band vibration spectrum and by a white noise spectrum is considered in detail. For the latter case optimum values for a spring-dashpot combination are derived, while for the former it is shown that the optimum damping system cannot be realized with only passive elements. Orig. art. has: 3 figures and 17 formulas.

SUB CODE: 20, 13/ SUBM DATE: 16Jun65/ ORIG REF: 002

Cord 1/1 BIG

1 00751-67 ENT(m)/EM(w) IJP(c) EM/EM
ACC NR: AP6024196

SOURCE CODE: UR/0424/66/000/002/0186/0189

29
B

AUTHOR: Larin, V. B. (Kiev)

ORG: none

TITLE: Shock absorbing instruments on moving objects

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 2, 1966, 186-189

TOPIC TAGS: vibration damping, shock absorber, vibration spectrum

ABSTRACT: Two simple examples are given to illustrate the need for optimizing between two competing requirements to damp out vibrations. These consist of maximizing the stiffness of the shock absorbing system and maximizing the vibration isolation of the system. It is shown first that the shock absorption system is not characterized by the static stiffness of the vibrating system but, instead, by the dynamic stiffness of the system. To this end, a shock absorbing system is synthesized for a given vibration spectrum $S(\omega)$, by maximizing the dynamic stiffness of the system. The method of Wiener-Kolmogorov is used to obtain the following transfer function to minimize the inverse of the dynamic stiffness

$$\Phi(i\omega) = \frac{1}{D(i\omega)} \left[\frac{U(i\omega)U(-i\omega)}{D(-i\omega)} \right], \quad Z(i\omega) = \frac{1}{1 - \Phi(i\omega)}.$$

An example is given for isolating white noise by the above technique. Orig. art. has: 2 figures.

Card 1/14, SUB CODE: 20, SUBM DATE: 12 Jun 67, ORIG REF: 003, OTH REF: 003

L 01945-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)
ACC NR: AP5025408

SOURCE CODE: UR/0103/66/000/007/0039/0044

AUTHOR: Larin, V. B. (Kiev)

ORG: none

TITLE: A problem of analytical design of optimal control

SOURCE: Avtomatika i telemekhanika, no. 7, 1966, 39-44

TOPIC TAGS: optimal automatic control, automatic control design, linear differential equation

ABSTRACT: A. G. Zaytsev (Avtomatika i telemekhanika, V. XXIV, No 4, 1963) investigated the analytical design of optimum control for the cases of random and deterministic perturbations. The controlled plant is defined by a linear differential equation with constant coefficients, and the perturbation is the sum of a regular time function and a random stationary function with a zero mathematical expectation. The Zaytsev solution is, however, generally incorrect and consequently, the present author solves the same problem again following the methods of the theory of filters. It is assumed that in all necessary cases the functions under

Card 1/2

UDC: 62-505

L 04945-67

ACC NR: AP6025408

investigation have a Fourier transform and satisfy the Pally-Wiener condition. The problem is solved by a reduction to the Wiener-Kolmogorov problem. Orig. art. has: 27 formulas and 1 figure.

SUB CODE: 09,12/ SUBM DATE: 08Jul65/ ORIG REF: 004/ OTH REF: 001

Card 2/2 *b7d*

LARIN, V.D., red.; BOROVIKOVA, R.P., red.

[Papers from a session of the Division of Tillage, Land Improvement, and Crop Culture of the White Russian Academy of Agriculture, devoted to the 40th anniversary of the Great October Socialist Revolution (Mogilev, 1957)] Sbornik trudov sessii Otdeleniya zemledelija, melioratsii i rastenovedenija Akademii sel'skokhoziaistvennykh nauk BSSR, posviashchennoi 40-letiju Velikoi Oktiabr'skoi sotsialisticheskoi revoljutsii, g. Mogilev, 1957 g. Minsk, Redakcionalno-izdatel'skii otdel ASKhN BSSR, 1958. 231 p. (MIHA 13:8)

1. Gorki. (Mogilevskaya oblast') Belorusskaya akademija sel'skogo khozyaystva.
(White Russia--Agriculture)

VIL'DFLUSH, R.T., doktor sel'khoz. nauk; BRAGIN, A.M., kand. sel'khoz. nauk; GOREVILEVA, A.I., kand. sel'khoz. nauk; KOROBOVA, G.Ya., kand. sel'khoz. nauk; LARIN, V.D., red.

[Concise manual on mineral fertilizers] Kratkii spravochnik po mineral'nym udobreniiam. Minsk, Urozhai, 1964. 237 p.
(MIRA 18:10)

MATSEPURO, Mikhail Yefremovich, akademik, red.; LARIN, V.D., red.;
ZUYKOVA, V.I., tekhn. red.

[Transactions of the 1958 Scientific Conference] Trudy Nauchnoi konferentsii 1958 goda. Pod red. M.E.Matsepuro. Minsk, Izd-vo Akad. sel'khoz. nauk BSSR, 1959. 199 p. (MIRA 14:5)

1. Akademiya sel'skohospodarchykh nauk BSSR. Navukova dasledchya instytut mekhanizatsyi i elektryfikatsyi sel'skoi hspadarki. 2. AN BSSR i Akademiya sel'skokhozyaystvennykh nauk BSSR (for Matsepuro)
(Farm mechanization) (Electricity in agriculture)

STRELKOV, Ignatiy Georgiyevich; NAGORSKAYA, Mariya Dmitriyevna; OSTROVSKY,
Illarion Petrovich; LARIN, V.D., red.; TIMOSHCHUK, R.S., tekhn.
red.

[Perennial lupine] Mnogoletniy liupin. Minsk, Gos.izd-vo sel'-
khoz.lit-ry, BSSR, 1962. 47 p.
(MIRA 15:11)
(White Russia--Lupine)

STRELKOV, I.G., doktor sel'khoz. nauk, glav. red.; KOVALENKO, I.F., kand. sel'khoz. nauk, red.; SVIRITSKIY, Ya.N., kand. sel'khoz. nauk, red.; MIKHALEV, Ya.K., kand. sel'khoz. nauk, red.; MOSKALEV, A.I., kand. sel'khoz. nauk; LARIN, V.D., red.; ZIN'KO, N.M., tekhn. red.

[Pulse crops] Zernobobovye kul'tury. Minsk, Gos.izd-vo sel'skokhoz. lit-ry BSSR, 1963. 246 p. (MIRA 17:1)

1. White Russia. Ministerstvo sel'skogo khozyaystva.
(White Russia—Legumes)

LARIN, V.I.

11(0)

PHASE I BOOK EXPLOITATION

sov/1265

Kamyshev, Sevast'yan Filippovich, Galikhin, Viktor Dmitriyevich, Larin,
Vasiliy Il'ich, Mikhaylov, Leonid Leonidovich, Filonova, Lidiya Ivanovna,
Yasnits, Mikhail Grigor'yevich, and Kvochkin, Fedor Abramovich

Groznenskaya neftyanaya promyshlennost' (The Grozny Petroleum Industry) Moscow,
Gostoptekhizdat, 1957. 57 p. 1,500 copies printed.

Executive Ed.: Lozbyakova, Ye. S.; Tech. Ed.: Polosina, A.S.

PURPOSE: The book is intended for engineers, technicians and workers in the
petroleum industry.

COVERAGE: The status of the Grozny petroleum industry before the Revolution and
the achievements in the recovery and refining of petroleum during the 40 years
after the Revolution are discussed. New oil fields, petroleum installations
and modern techniques and procedures introduced in the Grozny petroleum indus-
try are described. No facilities are mentioned. No references are given.

Card 1/3

11(0)

SOV/1265

The Groznyy Petroleum ~~Industry~~

	Page
TABLE OF CONTENTS:	
Ch. I. Development of the Groznyy Petroleum Industry from the Time of Its Nationalization up to the Time of the Implementation of the Sixth Five Year Plan	3
Groznyy petroleum industry before its nationalization	3
Groznyy petroleum industry during the first years after its nationalization	3
The first five-year plans	8
The Great Patriotic War and the period of reconstruction of the national economy	11
The post-war period	14
Ch. II. Present Status and Prospects of Development of the Groznyy Petroleum Industry	19
Ch. III. Development of Geological Prospecting in the Groznyy Petroleum Industry	25

Card 2/3

11(0)

SOV/1265

The Groznyy Petroleum Industry

Ch. IV. Development of Techniques of the Groznyy Oilfields	Oil Well Drilling Technology in	32
Oil well drilling		32
Construction of derricks		33
Oil well structure		34
Drilling conditions, turbodrills and rock bits		35
Directional turbodrilling		37
Mechanization of the labor-consuming operations		41
Drilling and power equipment		42
Cementing wells		42
Testing wells		43
Ch. V. Development of Technology and Techniques in the Groznyy Oilfields		45
Ch. VI. Development of Techniques and Refining Technology in the Groznyy Petroleum Industry		53
Conclusion		58

AVAILABLE: Library of Congress

Card 3/3

TM/mas
3-19-59

LARIN, V.I.

New data on the geology of the steppes in the southern part
of the Mangyshlak region. Hauch.dokl.vys.shkoly; geol.-geog.
naukci no.2:105-108 '59. (MIRA 12:8)

1. Moskovskiy neftyanyoy institut.
(Magyshlak region--Geology, Structural)

LARIN, V. I.

Larin, V. I. "On the problem of clinical manifestation of protrusions of
Spiegel line," Trudy Krymsk, med. in-ta im. Stalina, Vol. XIII, 1948, p. 193-95

SO: U-3850, 16 June 53, (letiopis 'Zhurnal 'nykh Statey, No. 5, 1949)

LARIN, V. I.

Larin, V. I. "Rare case of calcification of surgical scars," Trudy Krymsk. me. in-ta im. Stalina, Vol. XII, 1948, p. 197-200

SO: U-3350, 16 Juen 53, (Letopsis 'Zhurnal 'nykh Stately, Nol 5, 1949)

LARIN, V. I.

Larin V.I. - "higher medical education in Crimea, " Trudy Krym'sk. med. inta in. Stalina, Vol. XIII, 1948, p. 3-7, 358-59

SO: U-3850, 16 June 53, (Letopis 'hurnal 'Nakh Statey, No. 5, 1949).

LARIN, V. I.

24016

LARIN, V. I. Rasseleniye i tipy naselennykh punktov v zagorskem rayone. Uchen. zapiski (Mosk. Gos. Ped. IN-T im. Lenina), T. LIV, 1949, S. 159-77.

SO: Letopis, No. 32, 1949.

USPENSKAYA, N.Yu.; LARIN, V.I.

Trends in oil and gas prospecting in the southern Mangyshlak steppes. Razved. 1 okh. nedr 26 no.12:5-7 D '60. (MIRA 13:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad.Gubkina.
(Mangyshlak Peninsula--Prospecting)



; KHATAMBEKOV, A.Yu.

conditions governing the formation of oil and gas pools in
fields of the Mubarek group (western Uzbekistan). Izv.vys.
ucheb.zav.; neft' i gaz 5 no.4:9-13 '62. (MIRA 16:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlen-
nosti imeni akademika I.M.Gubkina.
(Uzbekistan-Petroleum geology)

LARIN, V.I.

Formation and distribution of oil and gas pools in the Pukhara area of uplifts. Trudy MINKHICP no.43-155-160 '63. (MIRA 17:4)

1. Kompleksnaya geologicheskaya gazoneftyanaya ekspeditsiya Moskovskogo instituta neftekhimicheskoy i gazovoy promyshlennosti im. I.M.Gubkina.

LARIN, V.I.

Formation period of certain gas pools. Izv.vys.ucheb.zav.; neft'
i gaz 7 no.4:14-16 '64. (MIRA 17:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
imeni akademika Gubkina.

LARIN, V.I.

Concerning the independence of the oil and gas accumulation processes in large stratigraphic complexes; based on a study of the Bukhara-Khiva and Fergana depression. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:7-9 '65. (MIRA 18:2)

1. Kompleksnaya neftegazovaya geologicheskaya ekspeditsiya Moskovskogo instituta neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M. Gubkina.

LARIN, V.I.

Determining the directional flow of formation waters in the past.
Neftegaz.geol. i geofiz. no.8:31-33 '65. (MIRA 18:8)

1. Kompleksnaya neftegazovaya geologicheskaya ekspeditsiya
Moskovskogo ordena Trudovogo Krasnogo Znamenti institut neftekhimi-
cheskoy i gazovoy promyshlennosti im. akad. Gubkina.

PERKAL'SKIS, B.Sh.; LARIN, V.L.

Jamin interferometer for lecture demonstrations. Izv.vys.uch.zav.;
fiz. no.4:178-179 '62. (VIZRA 15:9)

1. Sibirskiy fiziko-tehnicheskiy institut pri Tomskom
gosudarstvennom universitete imeni V.V. Kuybysheva.
(Interferometer) (Physics—Study and teaching)

PERKAL'SKIS, B.Sh.; IARIN, V.L.

Anomalous dispersion and the hook method of D.S.Rozhdestvenskii.
-Izv. vys. ucheb. zav.; fiz. 8 no.3:171-173 '65. (MIRA 18:9)

1. Tomskiy gosudarstvennyy universitet imeni V.V.Kuybysheva.

PERKAL'SKIS, B.Sh.; LARIN, V.L.

Zone plate adapted for phase shifts for physical demonstrations.
Izv.vys.ucheb.zav.; fiz. no.3:188-189 '63. (MIRA 16:12)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom
universitete imeni Kuybysheva.

LARIN, V.L.

Nature of gas migration in the Gazli region. Neftegaz. geol.
i geofiz. no. 12:11-13 '63. (MIRA 17:5)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut
neftekhimicheskoy i gazovoy promyshlennosti imeni akademika
I.M.Gubkina.

PERKAL'SKIS, B.Sh.; LARIN, V.L.

A Fabry-Perot interferometer for demonstrations. Usp. fiz. nauk
79 no.4:743-745 Ap '63. (MIRA 16:3)
(Interferometer) (Physics--Study and teaching)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928710001-3"

PERKAL'SKIS, B. LARIN, V.

A Fabry-Perot interferometer for demonstrating microwaves. Usp. fiz. nauk
1773-774 (MIRA 17:1)

PERKAL'SKIS, B.Sb.; LARIN, V.L.

Home-made Michelson interferometer for educational purposes.
Usp. fiz. nauk 83 no. 2:371-373 Je '64. (MIRA 17:6)

LARIN, V.M.

Characteristics of the temperature field of the Norwegian Sea.
Trudy Len. gidromet. inst. no.17-29-94 '64. (MIRA 1836)

PODOL'SKIY, A.M.; NUMEROV, S.V.; GOLIKOV-ZAVOLZHENSKIY, I.V.; MINTS, M.V.;
LARIN, V.N.

Tantalum in alaskites and subalkaline **granites** in the eastern part
of central Kazakhstan. Geokhimiia no.5:574-581 My '65. (MIRA 18:9)

1. TSentral'no-Kazakhsanskoye geologicheskoye upravleniye.

LARIN, V.N. (Dmitrov)

Working without the supervision of the Technical Control Division;
working practices of the Dmitrov Clothing Factory. Shvein.
prom. no. 6:7-8 N-D '60.
(MIRA 14:1)
(Dmitrov--Clothing industry--Quality control)

LARIN, V. N.

OVSYANNIKOV, V.N., inzhener (g. Ashkhabad); LARIN, V.N., inzhener
(g. Ashkhabad).

High production utilization of diesel locomotives. Zhel.dor.
transp. 39 no.6:66-69 Je '57. (MLRA 10:7)

1. Nachal'nik Ashkhabadskoy dorogi (for Ovsyannikov). 2. Nachal'nik
lokomotivnoy sluzhby dorogi (for Larin).
(Diesel locomotives)

LARIN, V.N.

OVSYANNIKOV, V.N., inzh.; LARIN, V.N., inzh.; BELEN'KIY, A.D., inzh.; MAKHNO,
Ye.B., inzh.; BOGDANOV, T.D., inzh. (Ashkhabad); MANKULOV, R.G., dots.
(Tbilisi).

Textbook on diesel locomotives ("The diesel locomotive industry."
G.S. Ryleev and others. Reviewed by V.N. Ovsiannikov and others).
Zhel. dor. transp. 39 no.12:89-90 D '57. (MIRA 1:1)
(Diesel locomotives) (Ryleev, G.S.)

LARIN, V.N.

Good maintenance of locomotives is the basis for their operational efficiency. Elek. i tepl. tiaga 7 no.6:14-15 Je '63.
(MIRA 16:9)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva Yugo-Vostochnoy dorogi.

(Diesel locomotives)

LARIN, V.P., inzh.

Economy of labor in machine milking. Zhivotnovodstvo 20 no.11:
68-74 N '58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii
sel'skogo khozyaystva.
(Milking machines)

LARIN, V.P.; FARAFONOVA, N.I.; TARANENKO, N.A., red.

[Machine milking of cows and the primary handling of milk;
textbook for training expert machine milkers] Mashinnoe do-
enie korov i pervichnaia obrabotka moloka; uchebnoe posobie
dlia podgotovki masterov mashinnogo doeniia. Moskva, Izd-
vo MSKh RSFSR, 1963. 103 p. (MIRA 17:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo sel'skogo kno-
zyaystva. 2. Nauchnyye rabotniki Vsesoyuznogo nauchno-
issledovatel'skogo instituta elektrifikatsii sel'skogo kho-
zyaystva (for Larin, Farafonova).

LARIN V.T.

GREBEN', I.I.; LARIN, V.T.; PERFILOV, M.A.; LIBOW, Ye.A.; VORONETSKAYA, L.V.,
tekhnicheskij redaktor.

[The PES-50 mobile diesel electric power generator] *Perevishnaja*
dizel'naia elektrostantsia PES-50. Moskva, Goslesbumizdat, 1951.
150 p. [Microfilm]
(Dynamics) (Diesel engines)

(MLRA 7:11)

TENDLER, Mikhail Markovich; LARIN, V.T., red.; MERZHANOVA, O.M., red.
izd-va; KUZNETSOVA, A.I., tekhn.red.

[Control of log conveyors and their signal systems] Upravlenie
transporterami dlia breven i signalizatsiia. Moskva, Gosles-
tumizdat, 1960. 7 p. (MIRA 14:2)
(Lumbering--Machinery) (Conveying machinery)

MOZHUL', V.G.; LARIN, V.T., red.; GORYUNOVA, L.K., red. izd-va;
KOLESNIKOVA, A.P., tekhn. red.

[Safety measures in operating electrical equipment in lumbering]
Elektrobezopasnost' na lesozagotovkakh. na lesozagotkakh.
Moskva, Goslesbunizdat, 1956. 64 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.)Ministerstvo lesnoy promyshlennosti.
TSentral'noye byuro tekhnicheskoy informatsii.
(Lumbering—Electric equipment)
(Lumbering—Safety measures)

I 20098-55 EWT(1)/EWT(1)/ERC(b)-2/EMI(h) Pn-1/Pac-1/Pc₀/Pl-1/Pg-1 ESD/BSD/APM/
ASD(s)-5/MEP(a)/ESD(c)/ESD(g)/ESD(t)

ACCESSION NR: AP5000462 S/0109/64/009/012/2189/2191

AUTHOR: Vitel', G. L.; Larin, Ye. A.

B

TITLE: Determining the frequency characteristics of voltage-tunable magnetron

25

SOURCE: Radiotekhnika i elektronika, v. 9, no. 12, 1964, 2189-2191

TOPIC TAGS: voltage tunable magnetron, magnetron, magnetron characteristic

ABSTRACT: An attempt is made to develop a formula for the frequency of an interdigital voltage-tunable magnetron in terms of its mode and geometry. The case of low anode currents and output power is considered, which permits (in the first approximation) using static-mode relations, neglecting the space charge. Only a cumbersome formula for the magnetron anode voltage is supplied. A frequency characteristic computed from this formula is reported to be in good agreement with the experimental data published by H. W. Welch (Proc. IRE, 1953, 41, 11, 1631). Orig. art. has: 1 figure and 13 formulas.

ASSOCIATION: none

SUBMITTED: 29 Dec 63

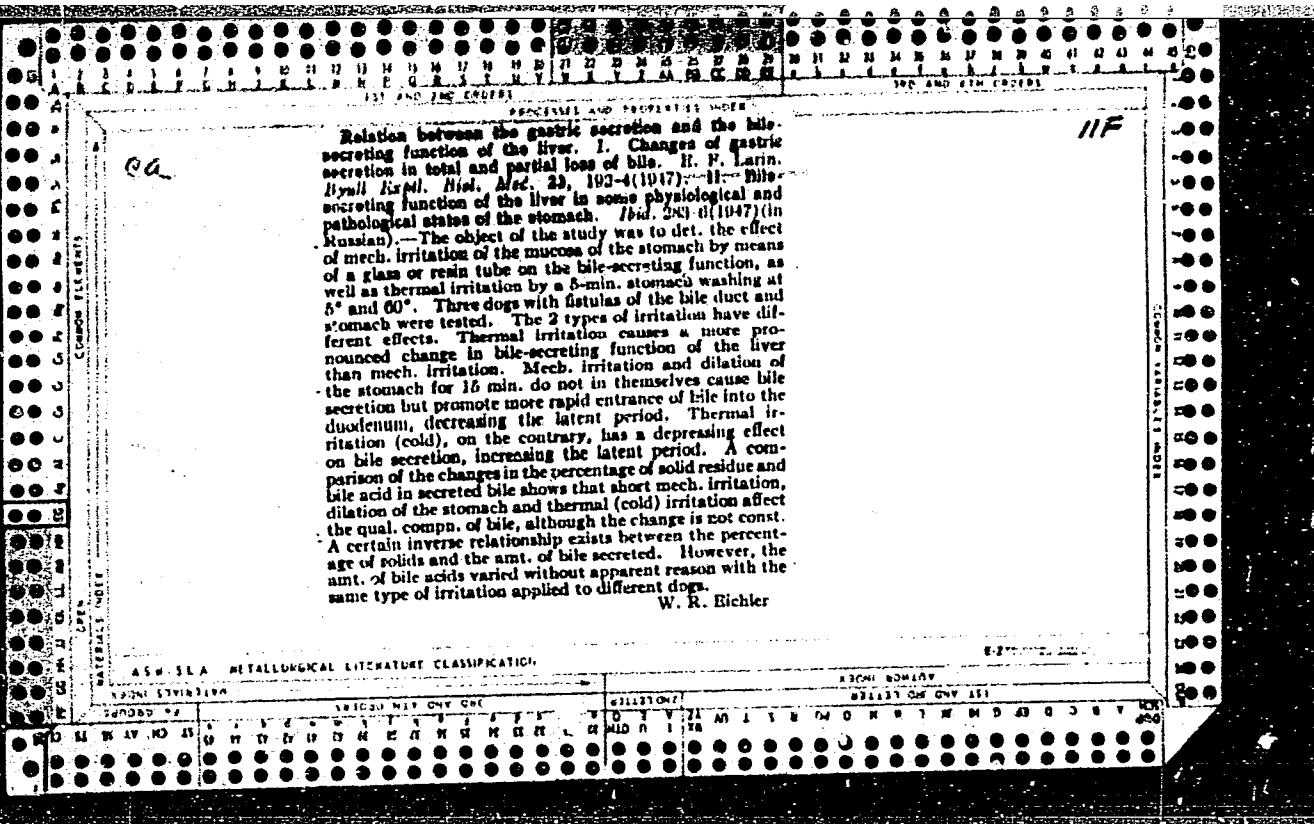
ENCL: 00

SUB CODE: EG

NG-REF SOV: 004

OTHER: 0G

Card 1/1



LARIN, Ye. F.

37557. Novyy Metod I Dannyye V Izuchenii Motoriki zhelchelyvodyashchego Apparata Pecheni. Trudy Tomskogo Med. In-ta im. Molotova, T XIV, 1949, s. 47-62.

So: Letopis' Zhurnal'nykh Statey, Vol. 37, 149

LARIN, Ye.F.

Conditioned reflex characteristics of certain symptoms of pregnancy
in dogs. Trudy Vses. ob-va fiziol.biokhim. i farm. 2:25-27 '54.
(MLRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta
im. V.M.Molotova.

(PREGNANCY,

conditioned reflex nature of signs of pregn. in dogs)

(REFLEX, CONDITIONED,

conditioned nature of signs of pregn. in dogs)

Larin, Ye.F.

Role of preliminary stimulation in biliary reactions. Trudy Vses.
ob-va fiziol.biokhim.i farm. 2:123-126 '54. (MIRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta
im. V.M.Molotova.

(BILIARY TRACT, physiology,
motor funct., eff. of stimulation)

LARIN, Ye.F.

Motor function of the biliary tract in various physiological and pathological conditions of the stomach. Trudy Vses. ob-va fiziol. biokhim.i farm. 2:126-128 '54. (MIRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta im. V.M. Molotova.
(BILIARY TRACT, physiology,
motor funct. in physiol. & pathol. cond.)

LARIN, Ye. N.

Data for the study of the biliary tract. Trudy Vses. ob-va fiziol.
biokhim.i farm. 2:128-130 '54. (MIRA 8:7)

? . Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta
dir. V. I. Hulotova.

(BILIARY TRACT, physiology,
motor funct.)

VERESSHCHAGIN, N.K., LARIN, Ye.F.

Conference of the West Siberian Association of Physiologists,
Biochemists and Pharmacologists. *Fiziol. zhur.* 44 no.6:603-605
Je '58 (MIRA 11:7)
(PHYSIOLOGY)

LEKHINSKIY, A.I., KAZACHKOVSKIY, O.D., PINKHASIK, M.S., ARISTARKHOV, N.N.,
KARPOV, A.V., LARIN, YE.P., YEFIMOV, I.A.

Operating experience with the BR-5 reactor.

Report submitted for the Conference on Operating experience with power
reactors, Vienna, 4-8 June 63

LARIN, Ye.V.

Qualitative evaluation of soils as exemplified by Murgab Oasis.
Izv. AN Turk. SSR. Ser. biol. nauk no.4:56-63 '61. (MIRA 14:10)

1. Institut pochvovedeniya i osvoyeniya peskov AN Turkmenskoy SSR.
(MURGAB OASIS--SOILS)

KORNEV, A. M.; KALININ, A. G.; LARIN, Ya. M.

Controlled inclined drilling of prospecting holes with small
turbodrills. Razved. i okh. nedr 28 no. 6:24-27 Je '62.
(MIRA 15:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promysh-
lennosti im. akad. Gubkina (for Kornev); 2. Tsentral'noye
konstruktorskoye byuro Ministerstva geologii i okhrany nedr
SSSR (for Larin).

(Turbodrills)

RIVLINA, Yu.L.; MALINSKIY, Yu.M.; YAKUBOVICH, S.V.; Prinimali uchastiye:
LARINA, A.N.; YEVINZON, I.I.

Investigating the processes of aging of lacquer and paint
coatings. Report No.1. Investigation of the aging process
of alkyd and alkyd-melamine coatings. Lakokras. mat. i ikh
prim. no.6:31-35 '61. (MIR^u 15:3)
(Protective coatings)

KARYAKINA, M.I.; YAKUBOVICH, S.V.; BLAGONRAVOVA, A.A.; Prinimali
uchastiye: LARINA, A.N.; PISKAREVA, K.A.; PERTSOVA, Ye.N.

New type of coatings based on phenol-alkyd resins. Lakokras.
mat.i ikh prim. no.5:25-27 '62. (MIRA 16:1)
(Phenol condensation products) (Protective coatings)

KORCHEMGIN, F. I.; Prinimala uchastiye: LARINA, A. V.

Effect of the degree of woodpulp grinding and of the various
processes on the quality of the parchment. Trudy VNIIB no.47:
86-94 '61. (MIRA 16:1)

(Parchment) (Woodpulp)

VLASOV, Yu.I.; LARINA, E.I.

Some patterns of the luminescence of plant tissues during viral
lesions of the necrotic type. Nauch. dokl. vys. shkoly; biol.
nauki no.3:166-170 '63. (MIRA 16:9)

1. Rekomendovana Vsesoyuznym nauchno-issledovatel'skim institutom
zashchity rasteniy.
(Bioluminescence) (Virus diseases of plants)

VLASOV, Yu.I., kand. biol. nauk, nauchn. sotr.; LARINA, E.I.,
kand. biol. nauk, nauchn. sotr.; KRYLATOVА, S.A., red.

[Principal methods for the diagnosis of virus diseases
of farm crops] Osnovnye metody diagnostiki virusnykh
boleznei sel'skohoziaistvennykh rastenii. Moskva, Sel'-
khozizdat, 1963. 35 p. (MIRA 17:8)

1. Russia (1923- U.S.S.R.) Ministerstvo sel'skogo kho-
zyaystva. Upravleniye nauki, propagandy i vnedreniya
peredovogo opyta. 2. Vsesoyuznyy nauchno-issledovatel'-
skiy institut zashchity rasteniy (for Vlasov, Larina).

PRIVEZENTSEV, V.A., doktor tekhn. nauk, prof.; LARINA, E.T., inzh.

Heat conductivity of winding wire insulation. Elektrotehnika
36 no.4:63-64 Ap '65. (MIR: 18:5)

VIASOV, Yu.; MIRON'YEVA, N.; LEROUX, F.

Virus infections of grassaceous plants. Test'n. rast. et vred.
3 vol. 10 no.843-14 '65. (MIF 18-11)

U. S. Agency for International Development
Foreign Agricultural Service
Washington, D. C.

L-00016-65 EWT(w)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) NJW/JD/GS

ACCESSION NR: AT4049812

S/0000/64/000/000/0052/0055

AUTHOR: Vertik, N. A.; Lebedeva, M. A.; Larina, G. B.; Lapsker, Yu. A. ²¹
³⁰¹

TITLE: The technology of soft nitriding and its effect on the fatigue strength
of steel ¹⁰
¹¹

SOURCE: Soveshchaniye po upruchneniyu detaley mashin, 1962. Protsessy upruchneniya detaley mashin (Processes of the hardening of machine parts); doklady soveshchaniya. Moscow, Izd-vo Nauka, 1964, 52-55

TOPIC TAGS: steel nitriding, steel cyaniding, steel fatigue strength, soft nitriding, steel wear resistance

ABSTRACT: The principal advantages of nitriding in comparison with carburizing and cyaniding are minimum deformation and warping of the parts. However, the duration of this process, brittleness of the nitrided layer and insufficient service life of nitrided parts limit its application. During the last few years, publications have appeared on soft nitriding which report improvement in the fatigue strength of steel parts. This method involves the use of melted cyanide salts at 520-580°C. Using this technique, tests were made to determine the absorption parameters and the properties of the diffusion layer after soft nitriding. A VTs-22

Card 1/3

L-40016-65

ACCESSION NR: AT4049812

electric furnace with automatic temperature regulation was used. The furnace bath contained 50% NaCN, 13% NaCl and 32% Na_2CO_3 , and the bath temperature was $550 \pm 10C$. A previous publication by A. N. Minkevich noted that the source of chemically active carbon and nitrogen is the dissociation of NaCNO. Therefore, the content of NaCNO and CN in the bath was checked. Low temperature cyaniding was then used to increase the fatigue strength of cylinder liners for air cooled engines made of 38KhMYuA steel. The non-nitrided surface of this steel shows unfavorable tensile stresses. All samples for the fatigue tests were taken from one nitrided liner. Three sets of samples were made: 1) steel cyanided at $550 \pm 10C$ for 1.5 hours with a NaCNO content of 5.8%; 2) non-cyanided samples and 3) non-cyanided samples tempered in an alkaline bath at $550 \pm 10C$ for 1.5 hours. The authors conclude on the basis of the results of fatigue tests (5×10^6 cycles) that low-temperature cyaniding (soft nitriding) increases the fatigue strength of steel. Thus, low-temperature cyaniding of notched samples of 38KhMYuA steel increased the fatigue strength by 48%. The minimum deformation of parts, lower brittleness, higher fatigue strength and short duration of the process are valid reasons for using low-temperature cyaniding instead of other methods. Due to the low

Card 2/3

L 40016-65

ACCESSION NR: AT40X9812

brittleness of the diffusion layer, the high hardness of the cyanide layer and the high content of carbon and nitrogen, it may be assumed that low-temperature cyaniding also improves the wear resistance. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 21May64

ENCL: 00

SUB CODES: MM

NO REF Sov: 002

OTHER: 001

Card *LL*
3/3

5 (3)

AUTHORS:

Sheremeteva, T. V., Larina, G. N.

SOY/62-59-5-13/40

TITLE:

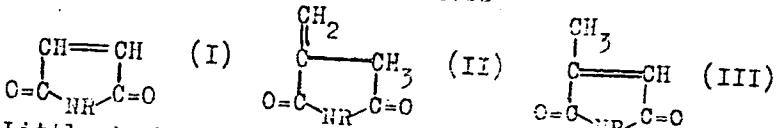
Synthesis of Some Unsaturated Compounds Containing Nitrogen
(Sintez nekotorykh nepredel'nykh azotsoderzhashchikh
soyedineniy). Communication 1. (Soobshcheniye 1.)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,
1959, Nr 5, pp 843-848 (USSR)

ABSTRACT:

Unsaturated heterocyclic compounds containing nitrogen have recently gained practical importance as monomers of the zoocytium and as insecticides and fungicides. In connection with it, the authors synthesized the imides of maleic (I), itaconic (II), and citraconic (III) acid, investigated them and determined out their properties. Likewise, they investigated their aryl and alkyl derivatives.



Little is known in publications on the synthesis of unsubstituted imides of these acids. The data on the synthesis

Card 1/3

Synthesis of Some Unsaturated Compounds Containing
Nitrogen. Communication 1.

SOV/52-59-5-13/40

mentioned which are known in publications are briefly summarized (Refs 1-14). The synthesis of the aryl-substituted imides (I) and (III) is much easier; it can be carried out in two ways: 1) by dry distillation of malic acid aniline and 2) by dehydrogenation of monophenylmonoamide which was obtained from malic anhydride and aniline. The synthesis of pure imides is rendered more difficult by the easy isomerization of this group of acids and their derivatives (maleic acid \rightleftharpoons fumaric acid etc), by the good solubility of the substances in water and many organic compounds, by the tendency to polymerization at high temperatures, and by their volatility. In this work, therefore, the synthesis was carried out at temperatures as low as possible and in a neutral medium. The synthesis was carried out in both ways mentioned. Alkyl imides of citraconic acid and citraconic anhydrides were obtained; the yield ranged from 37 to 50 % of the yield theoretically possible. Moreover, N-methyl-, N-ethyl-, N-isopropyl-, N-butyl-, N-isobutyl-, N-octyl-, and N-cyclohexylmonoamide of citraconic acid and the corresponding imides (except N-isobutyl-) not yet described

Card 2/3

Synthesis of Some Unsaturated Compounds Containing
Nitrogen. Communication 1.

S07/62-59-5-13/40

in publications were synthesized. The characteristics of these compounds, the physical constants, mole refraction, molecular weight, and elementary composition are listed in tables 1 and 2. There are 1 table and 14 references.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR
(Institute of High-molecular Compounds of the Academy of Sciences, USSR)

SUBMITTED: July 25, 1957

Card 3/3

SHEREMETEVA, T.V.; STOLYAROVA, T.Yu.; LARINA, G.N.

Preparation and properties of carboxyalkylene derivatives of
citraconimide. Izv. AN SSSR. Otd.khim.nauk no.9:1680-1685 S '61.
(MIRA 14:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Maleimide)

15.8000 2204

29737
S/190/61/003/011/007/016
B124/B101AUTHORS: Larina, G. N., Borisova, Z. V., Sheremeteva, T. V.

TITLE: Copolymerization of N-methylcitraconimide with some vinyl compounds

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 11, 1961, 1664-1668

TEXT: The radical bulk copolymerization constants of four binary monomer couples consisting of N-methylcitraconimide (M_1), acrylonitrile, β -vinyl-naphthalene, styrene, and methylmethacrylate were determined by copolymerization in the presence of 0.3 % by weight of benzoyl peroxide in sealed ampoules (Table 1). The N-methylcitraconimide - acrylonitrile system was heated to 60°C and the other systems to 70°C up to a conversion of 5-25 %. The polymers were solved in chloroform and reprecipitated with methyl alcohol, filtered, and dried to constant weight. The nitrogen content of the polymers was determined according to Dumas and the composition of the copolymers calculated from the results (Table 5). The copolymerization constants were calculated from the integral equation of F. R. Mayo and F. M. Lewis (Ref. 12; J. Amer. Chem. Soc., 66, 1594, 1944). X

Card 1/0 3

29737
S/190/61/003/011/007/016
B124/B101

Copolymerization of...

with the method suggested by S. N. Ushakov, S. P. Mitsengendler, and G. A. Shtraykhman (Ref. 13: *Uspekhi khimii*, 19, 265, 1950) being used for the experimental determination of the parameter p for the systems 1, 2, and 3. The mean value of p was determined for all systems by the analytical method of G. A. Shtraykhman, A. A. Vansheydt, and G. A. Petrova (Ref. 14: *Zh. fiz. khimii*, 32, 3, 1958). M_1 forms azeotropic copolymers with all mentioned monomers except for methylmethacrylate; the composition of the azeotropic copolymers with acrylonitrile, β -vinylnaphthalene, and styrene is given in Table 2. The probable distribution of monomer units in the systems N-methylcitraconimide - β -vinylnaphthalene and N-methyl-citraconimide - styrene calculated from equations developed by F. T. Wall (J. Amer. Chem. Soc., 66, 2050, 1944) and S. S. Medvedev (Ref. 10: *Dokl. AN SSSR* 56, 177, 1947) which show a tendency to alternation is given in Table 3. The reactivity of the radicals of the mentioned monomers to M_1 decreases in the order: styrene \geq β -vinylnaphthalene $>$ acrylonitrile $>$ methylmethacrylate. The specific activity Q and the factor e characterizing the polarity of double bonds for M_1 were calculated from the copolymerization constants of M_1 with styrene and methylmethacrylate by using the equations of T. Alfrey and C. C. Price (Ref. 15: *J. Polymer Sci.* 5, 101, 1947);

Card 2/0 3

Copolymerization of...

29737
S/190/61/003/011/007/616
B124/B101

values of $Q = 0.8$ and $e = 1$ were obtained for M_1 . There are 5 tables and 15 references: 6 Soviet and 9 non-Soviet. The three most recent references to English-language publications read as follows: L. E. Coleman, J. A. Conrady, J. Polymer Sci. 38, 241, 1959; J. Dawning, J. G. N. Drewitt, Brit. Pat. 712319, 1954; E. C. Chapin, G. E. Ham, C. L. Mills, J. Polymer Sci., 4, 597, 1949.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)

SUBMITTED: December 23, 1960

Table 1. Copolymerization constants of N-methylcitraconimide with some vinyl compounds. Legend: (I) System no.; (II) monomer M_2 ; (III) acrylonitrile; (IV) β -vinylnaphthalene; (V) styrene; (VI) methylmethacrylate.

Table 2. Composition of azeotropic copolymers. Legend: (I) System no.; (II) composition of the azeotropic copolymer, m_1/m_2 ; (III) found; (IV) calculated.

Card 3/63

SHEREMETEVA, T.V.; LARINA, G.N.

Polymerization of imides of unsaturated dicarboxylic acids, Dokl. AN
SSSR 162 no. 6:1323-1325 Je '65. (MIRA 18:7)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Submitted
December 12, 1964.

LARINA, I. A.

VYGODCHIKOV, G.V.; VOLKOVA, Z.M.; ZELEVINSKAYA, S.A.; LARINA, I.A.

Significance of antitoxic and antibacterial factors in active immunization against experimental *B. perfringens* gas gangrene.
Zhur.mikrobiol.epid. i immun. 28 no.10:120-125 O '57. (MIRA 10:12)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(GAS GANGRENE, exper.
antitoxic & antibact. factors in active immun. (Rus))

LARINA, I.A.; VOLKOVA, Z.M.; ZELEVINSKAYA, S.A.

Effect of antibiotics in experimental gas gangrene. Zhur. mikrobiol. epid. i immun. no.1:119-124 Ja '58. (MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei ANN SSSR.

(ANTIBIOTICS, effects,
on gas gangrene pathogens (Rus)
(GAS GANGRENE, microbiology,
eff. of antibiotics on various pathogens (Rus)

LARINA, I.A.; VOLKOVA, Z.N.

Anatoxin from *Vibrio septicus* and its antigenic and immunogenic properties. Zhur.mikrobiol.epid. i immun. 29 no.3:77-82 Mr '58.
(MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(CLOSTRIDIUM,
septicum, anatoxin, antigenic & immunogenic properties (Rus)

MAYOROVA, I.P.; LARINA, I.A.

Acetone purification of *Vibrio septicus* anatoxin. Zhur.mikrobiol.
epid. i imun. 30 no.1:51-54 Ja '58. (MIRA 12:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR.

(CHOLERA, immunol.
anatoxin, acetone purification (Rus))

(ACETONE,
purification of *Vibrio cholerae* anatoxin (Rus))

ISPOLATOVSKAYA, M.V.; LARINA, I.A.

Studying electrophoretic properties of phospholipase C of the
B. perfringens toxin during detoxication. Biokhimiia 24
no.4:738-744 J1-Ag '59. (MIRA 12:11)

1. Institut epidemiologii i mikrobiologii im. N.F.Gamaleya
Akademii meditsinskikh nauk SSSR, Moskva.
(CLOSTRIDIUM PERFRINGENS)
(TOXINS AND ANTITOXINS chem)
(ESTERASES chem.)

ISPOLATOVSKAYA, M.V.; LEVDIKOVA, G.A.; LARINA, I.A.

Separating the lecithinase and collagenase activities of the
Clostridium perfringens toxin by electrophoresis on starch.
Biokhimia 26 no. 1:77-81 Ja-F '61. (MIRA 14:2)

1. Biochemical Department, Institute of Epidemiology and Microbiology
and Institute of Biological and Medical Chemistry, Academy of
Medical Sciences of the U.S.S.R., Moscow.
(CLOSTRIDIUM PERFRINGENS) (TOXINS AND ANTITOXINS)
(LECITHINASE) (COLLAGENASE)

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; SALTYKOV, R.A.; LARINA, I.A.;
ANAN'YEVA, Ye.P.; SHVELEV, V.M.

Experimental study of the immunogenic properties of associated
anaerobic toxoids. Report No.1: Study of the immunological
effectiveness of sextatoxoids in primary immunization of animals.
Zhur.mikrobiol.épid.i immun, 32 no.1:28-32 Ja '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR.

(TOKINS AND ANTITOXINS)

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; SALTYKOV, R.A.; LARINA, I.A.; SHEVELEV, V.M.

Experimental study of immunogenic properties of associated anaerobic anatoxins. Report No.2: Study of the immunological effectiveness of a sexta-anatoxin following late re-immunization. Zhur. mikrobiol. epid. i immun. 32 no.7:74-77 Je '61; (MIRA 15:5)
(TOXINS AND ANTITOXINS)

LARINA, I.A.; DZHIKIDZE, E.K.; AKSENOVA, A.S.

Effectiveness of sorbed tritoxoid with reference to gas gangrene in experiments on monkeys. Preliminary report. Biul. eksp. biol. i med. 52 no.9:88-90 S '61. (MIRA 15:6)

1. Iz otdela ranevykh infektsiy (zav. - deystvitel'nyy chlen AMN SSSR G.V. Vygodchikov) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei (dir. - prof. S.N. Muromtsev [deceased]) AMN SSSR i Instituta eksperimental'noy patologii i terapii (direktor - doktor med.nauk B.A. Lapin) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR G.V. Vygodchikovym.

(GANGRENE)
(TOXINS AND ANTITOXINS)

ISPOLATOVSKAYA, M.V.; LEVDIKOVA, G.A.; LARINA, I.A.

Separation of lecithinase, collagenase and hyaluronidase activities
of *B. perfringens* toxin using ion exchange cellulose. *Biokhimiia* 27
(MIRA 15:5)
no.1:82-87 Ja-F '62.

1. Department of Biochemistry, Institute of Epidemiology and Microbiology
and Institute of Medical and Biological Chemistry, Academy of Medical
Sciences of the U.S.S.R., Moscow.
(LECITHINASE) (CELLULOSE) (COLLAGENASE)
(HYALURONIDASE) (CLOSTRIDIUM PERFRINGENS)

ZELEVINSKAYA, S.A.; BULATOVA, T.I.; LARINA, I.A.

Study of the immunological effectiveness of complex immunization
against gas gangrene, tetanus and botulism in experiments on
monkeys. Biul.eksp.biol.i med. 53 no.6:59-62 Je '62.

(MIRA 15:10)

1. Iz otdela ranevykh infektsiy (zav. - dyestvitel'nyy chlen AMN
SSSR G.V.Vygodchikov) Instituta epidemiologii i mikrobiologii
imeni N.F.Gamalei (dir. - prof. O.V.Baroyan) AMN SSSR, Moskva.
Predstavlena deystvitel'nym chlenom AMN SSSR G.V.Vygodchikovym.
(VACCINATION) (GAS GANGRENE) (TETANUS) (BOTULISM)

VYCODCHIKOV, G.V.; LARINA, I.A.; VOROB'YEV, A.A.; SALTYKOV, R.A.

Experimental study of the immunogenic properties of associated anaerobic anatoxins. Report No. 3. Study of the immunologic effectiveness of an octa-anatoxin in the primary immunization of animals. Zhur.mikrobiol., epid.i immun. 33 no.8:79-83 Ag '62.

(MIRA 15:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

(TOXINS AND ANTITOXINS)(VACCINATION)

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; SALTYKOV, R.A.; LARINA I.A.;
SHEVELEV, V.M.

Experimental study on polyvalent anaerobic toxoids. Part 4:
Study of the immunological effectiveness of octatoxoid in
late revaccination. Zhur. mikrobiol., epid. i immun. 40.
no.1:127-132 '63. (MIRA 16:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

*

VYGODCHIKOV, G.V.; GEKKER, V.D.; LARINA, I.A.; SERGEYEVA, N.S.;
VOROB'YEV, A.A.; SALTYKOV, R.A.

Basic principles underlying the production of polyvalent
vaccines against anaerobic and intestinal infections.

Zhur. mikrobiol., epid. i immun. 40 no.3:9-14 Mr '63.

(MIRA 17:2)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

VYGODCHIKOV, G.V.; VOROB'YEV, A.A.; LARINA, I.A.; LABINSKIY, A.P.;
GEKKER, V.D.; SHEVELEV, V.M.; SROGAEVA, N.S.

Experimental study of the immunogenic properties of combined
anaerobic toxoids. Report No.5: Immunogenic properties of
combined polytoxoid in primary immunization of animals. Zhur.
mikrobiol., epid. i immun. 40 no.10:51-58 O '63.

(MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

ISPOLATOVSKAYA, M.V.; LARINA, I.A., KLIMACHEVA, I.V.

Mechanism of detoxication of the Clostridium perfringens
toxin. Zhur. mikrobiol. i imun. 40 no.10:110-115 O '63.

(MIRA 17:6)

1. Iz Institute epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

L 10969-66 EWT(1)/EWA(1)/EWA(b)-2 JK
ACC NR: AP5028399

SOURCE CODE: UR/0016/65/090/009/0110/0114

AUTHOR: Ispolatovskaya, M. V.; Larina, I. A.; Lozeva, L. P.

ORG: Institute of Epidemiology and Microbiology im. Gamaleya, AMN SSSR, Moscow
(Institut epidemiologii i mikrobiologii)

37
B

TITLE: Dynamics of the formation of various components of the toxin of Clostridium perfringens type A

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1965, 100-114

TOPIC TAGS: toxicology, systemic toxin, microbiology

ABSTRACT: To find out at what period of growth the formation and excretion of the components of the toxin of Cl. perfringens occurs and how they are related, the authors study four strains: BR6K (highly toxicogenic), No. 235 and SR12 (toxigenic), and No. 1836 (weakly toxicogenic). When these strains were cultivated on a medium of casein hydrolysate with the addition of millet as a factor providing the most intense formation of toxin, a maximal lecithinase, collagenase, and hyaluronidase activity was noted 6 - 9 hr after inoculation with a drop by the 12th hour of growth. The maximal hemolytic activity was frequently demonstrated earlier. The presence of collagenase in the filtrates did not adversely affect the principal components of the toxin, lecithinase; in fact the authors find that when lecithinase was incubated with collagenase the activity of lecithinase even increased somewhat, which indicated its stabilization by collagenase which here played the role of a protective

Card 1/2

UDC: 576.851.555.097.29

L 10969-66

ACC NR: AP5028300

protein. The authors demonstrate in experiments with erythrocytes of various animal species that the absolute value of the hemolytic activity determined by lysis of sheep erythrocytes does not make up the arithmetic sum of the hemolytic activity of alpha- and theta-hemolysins determined separately by lysis of the erythrocytes of the mouse (alpha-hemolysin) and horse (theta-hemolysin). In all experiments the maximal formation of the toxin components coincided with the period of intense cell division. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 06 / SUBM DATE: 06Ncv64 / ORIG REF: 003 / OTH REF: 004

Card 202

ISPOLATOVSKAYA, M.V.; MIKHAYLOVSKAYA, I.Ya.; KLIMACHEVA, L.V.;
BLAGOVESHCHENSKIY, V.A.; LARINA, T.A.

Study of the enzymes of the *Clostridium perfringens* toxic complex, their formation and interaction. *Zhur. mikrobiol.,*
epid. i imun. 42, no. 11:61-65 N '65. (MIRA 18:12)

1. Institut epidemiologii i mikrobiologii AMN SSSR imeni Gamalei.
Submitted April 15, 1964.

ANOSOV, I. Ya.; ISPOLATOVSKAYA, M. V.; LARINA, I. A.

Morphological and some histochemical changes in the body of guinea pigs caused by C-lecithinase of Clostridium welchii type A.
Report No. 1: Characteristics of the local reaction. Zhur.

mikrobiol., epid. i immmun. 43 no. 1:94-98 Ja '66 (MIRA 1981)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
Submitted October 19, 1964.

I 27197-66 EWT(1)/T JK

ACC NR: AF-5017458

SOURCE CODE: UR/0016/66/000/001/0118/0123

23
B

AUTHOR: Larina, I. A.

ORG: Institute of Epidemiology and Microbiology im. Gamaleya AMN SSSR (Institut
epidemiologii i mikrobiologii AMN SSSR)

TITLE: Prophylaxis of anaerobic infections in experiments with monkeys

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 1, 1966, 118-123

TOPIC TAGS: experiment animal, antigen, immunization

ABSTRACT: An associated preparation — octatoxoid — containing eight different anaerobic toxoids (perfringens, oedematis, tetanus, and botulinus), B, C, D, and E) proved to be areactogenic in an experiment on monkeys. The second inoculation boosted the titers of antitoxins considerably in comparison to the first. For all antigens, double immunization and reimmunization with octatoxoid create an immunity of high strength except for the perfringens antigen, which produces ground immunity, guaranteeing the animal protection (with a content in the blood of at least 0.1 AE/ml) against 1-3 lethal doses of a culture of Clostridium perfringens. After reimmunization there is a latent period of 2-3 days in which the titers of the corresponding antitoxins do not increase. Orig. art. has: 3 tables and 1 formula. [JPRS]

SUB CODE: 06 / SUBM DATE: 21Feb65 / ORIG REF: 007

UDC: 616.981.55/57-084.47:615.3721-092.9

Cord 1/1 CC

2

1 28427-65 EWT(1)/T JK

ACC NR: AP6019115

SOURCE CODE: UR/0016/65/000/011/0061/0065

AUTHOR: Ispolatovskaya, M.V.; Mikhaylovskaya, L.Ya.; Klimacheva, L.V.;
Blagoveshchenskiy, V.A.; Larina, I.A.ORG: Institute of Epidemiology and Microbiology im. N.F. Gamaleya, AMN SSSR
(Institut epidemiologii i mikrobiologii AMN SSSR)TITLE: Study on the formation and interaction of enzymes in the toxic Clostridium perfringens complex

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 11, 1965, 61-65

TOPIC TAGS: enzyme, bacteria, bacteriology, biochemistry

ABSTRACT: Lecithinase, collagenase, hyaluronidase, and proteinase were present in Clostridium perfringens cells grown from 1½ to 4 hours. Considerable amounts of lecithinase were found in the culture fluid in the course of the experiment. In some experiments collagenase and hyaluronidase were present in the microbial cells but absent in the culture fluid.Crude exo- and endoproteinases of the pathogen of gas gangrene possessed very low proteolytic activity, while concentrated, highly active proteinases in vitro experiments did not inactivate Clostridium perfringens toxin or lecithinase. Trypsin, however, sharply inactivated both the toxin and purified lecithinase.

Orig. art. has: 2 tables. [JPRS]

SUB CODE: 06/ SUBM DATE: 15Apr64/ ORIG REF: 001/ OTH REF: 002
Card 1/1 3 UDC: 576.851.555.097.29.577.15

ACC NR: AP6024447

SOURCE CODE: UR/0016/66/000/007/0125/0129

REF ID: A20

AUTHOR: Larina, I. A.; Ispolatovskaya, M. V.ORG: Institute of Epidemiology and Microbiology im. Gamaleya, AMN SSSR, Moscow
(Institut epidemiologii i mikrobiologii AMN SSSR)TITLE: Role of lecithinase C in the creation of immunity to gas gangrene under
experimental conditions

SOURCE: Zhurnal mikrobiologii, epidemiologii, i immunobiologii, no. 7, 1966, 125-129

TOPIC TAGS: lecithinase, gas gangrene, catalytic activity, *Cl. perfringens*, vaccine,
immunity, enzymeABSTRACT: Animals receiving a lecithinase-C preparation purified to eliminate all other enzymatic activity displayed active immunity to *Cl. perfringens* toxin and to culture extracts. Only highly purified preparations had such effects. A plan for immunizing guinea pigs against gas gangrene with lecithinase vaccine was described. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 23Nov65/ ORIG REF: 015/ OTH REF: 005/

UDC: 616.981.57-097.3-02: [615.779.94:577.153.211]

Card 1/1

L 34882-66 EWT(m)/EWP(t)/ETI IJP(c) RDW/JD/GD

ACC NR: AT6013544

(A)

SOURCE CODE: UR/0000/65/000/000/0111/0114

AUTHOR: Yudelevich, I. G.; Shelpakova, I. R.; Avseyko, Ye. M.; Minskaya, L. N.; Larina, L. K.; Chalkova, N. Ya.; Sosnovskaya, T. I.; Zaks, I. V.; Khamidulina, F. K.

56

B+1

ORG: None

TITLE: Spectrographic determination of trace elements in the raw materials and intermediate products of the rare metals industry

SOURCE: Ural'skoye soveshchaniye po spektroskopii, 4th, Sverdlovsk, 1963. Materialy. Moscow, Izd-vo Metallurgiya, 1965, 111-114

TOPIC TAGS: spectrum determination, zinc, lead, indium, thallium, germanium, selenium, tellurium, spectrographic analysis

ABSTRACT: A number of new methods are described for determination of indium, thallium, germanium, ²⁷selenium and tellurium in intermediate products of the lead and zinc industry. Germanium is spectrographically determined by injection of powder specimens into an a-c arc discharge. The spectroscopic buffer for determination of more than 0.001% Ge is carbon powder containing 5% Bi(NO₃)₃ as an internal standard. The analytical line pair is Ge 269.13 m μ -Bi 280.96 m μ . For determining higher concentrations of germanium (above 0.1%), use is made of the Ge 258.91 m μ -Bi 280.96 m μ or Ge 274.04 m μ -Bi 280.96 m μ line. A buffer consisting of a mixture of quartz and sulfur

Card 1/2

L 34882-6

ACC NR: AT6013544

was used for determining traces of germanium of the order of 1 part in 100,000 in slags and mattes. The sensitivity of germanium determination with respect to the Ge 303.90 μ line is $10^{-4}\%$ in this case with a relative error of about 15%. Commercial solutions are analyzed by electrode saturation. The relative mean square error is 9% with this method. Indium, thallium, gallium, and germanium are simultaneously determined by pouring the solutions to be analyzed into a socket in a special copper electrode and then drying the electrode so that the solution adheres to the surface. The advantage of this method over the saturation of carbon electrodes lies in the possibility of using the sensitive long-wave lines located in the region of cyanogen bands: In 410.18 μ , Ga 417.2 μ and Tl 377.57 μ . This method gives a relative error of 9%. Methods are discussed for determination of rare elements in zinc and lead ores with a sensitivity of at least $10^{-4}\%$ using spectrographic analysis with a buffer solution of sodium fluoride. Orig. art. has: 1 figure.

SUB CODE://,20/ SUBM DATE: 06Jul65/ ORIG REF: 005/ OTH REF: 000

Card 2/2

LARINA, I.M.

EVENTSOVA, M.S.; BORISOV, P.P.; CHISTYAKOVA, M.V.; LARINA, I.M.

Oxidation of aromatic hydrocarbons by oxygen. Oxidation of
1,1-diphenylethane and 1,1-diphenylpropane. Vest.Mosk.un.Ser.
mat.,mekh., astron., fiz.,khim. 12 no.2:209-213 '57. (MIRA 10:12)

1.Kafedra organicheskoy khimii i khimii nefti Moskovskogo
universiteta.
(Oxidation) (Ethane) (Propane)

LARINA, L. F.

37651. Operatsiya vistseropleyrotomii pri khronicheskikh empiemakii
plevry ognestrel' Nago proiskhozheniya. Trudy tomskogo med. in-ta
im. molotova, T. XV, 1949 S. 146-56

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949